Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

CEN-TECH®

ITEM 61665

80 WATT
POWER INVERTER

This product will power up and charge:

Electronics, appliances, camcorders, TVs, DVD players, video game consoles, cell/smart phones, tablets, and laptop computers using your vehicle's battery power.

REV 13I

Visit our website at: http://www.harborfreight.com

Email our technical support at: productsupport@harborfreight.com

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

⚠WARNING

Read this material before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.

Specifications

Continuous Power	80 Watts
Input Voltage	12 Volts Nominal DC
Output Voltage	115VAC/60Hz
Fuse	10A
Indicator	Green LED = power on
Output Wave Form	Modified Sine Wave
Outlets	1 - 120V grounded AC 1 - USB 5VDC, 500mA
Features	- Overload Shutoff @ 125W - Low Voltage Shutoff @ 10.5VDC

Important Safety Information

1. This product is not a toy. Keep it away from children.
2. Use as intended only.
3. Inspect before every use; do not use if parts are loose or damaged.
4. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
5. Do not plug small appliances into the inverter to directly recharge their nickel-cadmium batteries. Always use the recharger provided with the appliance.
6. Keep inverter away from any direct heat source or combustible material.
7. Do not use electrically powered products in the presence of flammable gases or liquids.
8. Do not use this item in rain, on a boat, or any other wet area. Do not expose to direct sunlight or heat.
9. Delicate device, handle with care. Do not drop or strike this item.
10. Do not open housing. Contains no user-serviceable parts. Internal parts may be electrified, even with unit off and power disconnected.
11. Do not overload this device. This device is designed for loads up to 80 Watts at 120 Volts AC only. Check the wattage of any device before using this item to power it. Some rechargeable appliances may damage the Power Inverter or the appliance. When first using a rechargeable device, check its temperature for the first 10 minutes. If it becomes abnormally hot, do not use this device with the Inverter.
12. This device is designed for use in 12 VDC, negative ground systems only.
13. Allow adequate ventilation. Do not cover this unit while it is plugged in. This unit generates heat; without proper ventilation it may overheat, potentially causing a fire hazard.
14. Leave this device unplugged whenever the car's engine is turned off. To help prevent draining and perhaps damaging the battery, only plug this device in while the car's engine is on.
15. Switch any device to be powered off before plugging into this device.
16. Stay alert. Do not use while tired or under the influence of drugs, alcohol, or medication.

17. Store idle equipment. When not in use, this product must be stored in a dry location to inhibit rust.
18. WARNING: This product contains or, when used, produces a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. (California Health & Safety Code § 25249.5, et seq.)
19. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
20. Do not use with positive ground electrical systems. (Most automobiles, trucks, and RV's have negative ground systems.)
21. Do not use this inverter to power sensitive devices such as medical devices or computers. Do not use in ignition protected areas.
22. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
23. The warnings, precautions, and instructions discussed in this instruction sheet cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Operating Instructions

Read the entire Important Safety Information section at the beginning of this document including all text under subheadings therein before set up or use of this product.

1. Move the vehicle outside any enclosed structure. Turn on the vehicle's engine.
2. Plug the Inverter into the cigarette lighter socket. The green LED power indicator will light up.
3. To power a device or appliance:
   a. With the device or appliance switched off, plug it into the Power Outlet or the USB Outlet on the Power Inverter.
   b. Turn on the device and/or appliance.

Note: The total wattage of all items plugged into the Power Inverter must not use more than 80 watts during continuous operation, otherwise the Inverter may overload.

Note: This unit has an automatic shut off feature if output is over 125 watts or if input is under 10.5VDC.

4. If device suddenly stops working, internal fuse may be blown. See Maintenance, Step 3.

NOTICE: Some rechargeable appliances may damage the Power Inverter or the appliance. When first using a rechargeable device, check the inverter's temperature for the first 10 minutes. If it becomes abnormally hot, do not use this device with the Inverter.

Note: Connect the inverter while the vehicle's engine is running. Thereafter the engine can be on or off. If running the Power Inverter with the engine off, run the engine every hour for at least 10 minutes to recharge the battery. Doing this will help prevent any unexpected shutdown of the equipment. This will also help ensure that there will be enough battery power to start the vehicle. Due to the risk of carbon monoxide inhalation, do not run the vehicle's engine within an enclosed area.

5. After use, turn off the device, then unplug it from the Inverter.
6. Unplug the Inverter from the cigarette lighter socket.

Maintenance

Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Disconnect all loads from the inverter before performing any procedure in this section.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:
Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

1. **BEFORE EACH USE**, inspect the general condition of the tool. Check for:
   a. loose hardware,
   b. misalignment or binding of moving parts,
   c. damaged cord/electrical wiring,
   d. cracked or broken parts, and
   e. any other condition that may affect its safe operation.
2. Keep this unit clean and dry. Disconnect the unit before cleaning. Clean only the outside of this unit with a soft, dry cloth.
3. This device does not contain any user replaceable parts. Internal fuse (10A) should be serviced by a qualified technician.

Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Record Serial Number Here:

Note: If product has no serial number, record month and year of purchase instead.

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